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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,372	09/08/2003	Bernard Massie	10890-1C	8255
25277	7590 10/12/2006		EXAM	INER
NATIONAL RESEARCH COUNCIL OF CANADA 1200 MONTREAL ROAD			GROSS, CHRI	STOPHER M
	, ROOM EG12		ART UNIT	PAPER NUMBER
OTTAWA, C	ONTARIO, K1A 0R6		1639	

DATE MAILED: 10/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/656,372	MASSIE ET AL.
Office Action Summary	Examiner	Art Unit
	Christopher M. Gross	1639
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING E. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNIC, .136(a). In no event, however, may a report will apply and will expire SIX (6) MONTI te, cause the application to become ABA	ATION. ply be timely filed HS from the mailing date of this communication. NDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 08 .	June 2006.	
	is action is non-final.	•
3) Since this application is in condition for allows	ance except for formal matte	rs, prosecution as to the merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.
Disposition of Claims		· ·
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application	n.	
4a) Of the above claim(s) 2-20 is/are withdraw	vn from consideration.	
5) Claim(s) is/are allowed.		•
6)⊠ Claim(s) <u>1</u> is/are rejected.		
7) Claim(s) <u>2-20</u> is/are objected to.		
8) Claim(s) are subject to restriction and/	or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examin	er.	
10)☐ The drawing(s) filed on is/are: a)☐ acc	cepted or b) ☐ objected to by	y the Examiner.
Applicant may not request that any objection to the	e drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct	•	
11) ☐ The oath or declaration is objected to by the E	xaminer. Note the attached	Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		•
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. §	119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority documen	its have been received.	
2. Certified copies of the priority documen	its have been received in Ap	plication No
3. Copies of the certified copies of the price	•	eceived in this National Stage
application from the International Burea		
* See the attached detailed Office action for a lis	t of the certified copies not re	eceived.
Attachmont/c)		
Attachment(s) 1) 🔀 Notice of References Cited (PTO-892)	4) 🗍 Interview Su	mmary (PTO-413)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/	/Mail Date
3) Information Disclosure Statement(s) (PTO/SB/08)		ormal Patent Application
Paper No(s)/Mail Date	6)	- ' ,

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DETAILED ACTION

Responsive to communications entered 6/8/2006. Claims 1-20 are pending. Claims 2-20 are withdrawn. Claim 1 is examined herein.

Priority

This application is a DIV of application 09/843,949 filed 4/30/2001 (now PAT 6,642,052)

Claim Objections

1. Claims 2-20 are dependent on a non-existent claims and are hereby withdrawn from consideration.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by anticipated by Massie et al (US Patent 6,291,226)

The applied reference has two common inventors with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in

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the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

The claimed invention is drawn to an adenoviral expression library comprising a plurality of recombinant adenoviruses, each recombinant adenovirus being deleted for an essential gene of a late transcriptional region of adenoviral genome and having the essential gene expressibly cloned in a second transcriptional region of adenoviral genome, each recombinant adenovirus further comprising an expressible piece of exogenous DNA.

Massie, et al, throughout the publication and especially tables 3 and 4, teach various adenoviruses deleted for protease including the variants Ad2ts1, Ad5-deltaPS and Ad5CMVLacZ-CMGFP-deltaPS. Since a library may have as few as two members, the species disclosed by Massie et al reads on a library comprising a plurality of recombinant adenoviruses, each recombinant adenovirus being deleted for an essential gene of a late transcriptional region (LTR) of adenoviral genome as set forth in claim 1. The LTR essential gene of Massie is the adenovirus protease.

Massie et al teach in column 13 and 14 transforming 293-PS cell lines with said protease defective adenoviruses. The 293-PS cell lines of Massie complement the loss of protease function of the Ad2ts1, Ad5-deltaPS and Ad5CMVLacZ-CMGFP-deltaPS species *in trans* and reads on the essential gene expressibly cloned in a second transcriptional region of adenoviral genome.

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Massie et al teach in figure 5 the expression of adenoviruses comprising an exogenous piece of DNA, reading on "recombinant adenovirus further comprising an expressible piece of exogenous DNA" of claim 1.

Conclusion

Claim 1 is not allowed

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Oualikene et al (2000 Human Gene Therapy 11:1134-1353).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Gross whose telephone number is (571)272-4446. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Paras can be reached on 571 272-4517. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Christopher M Gross Examiner

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MARK SHIBUYA, PH.D. PATENT EXAMINER

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